IN THE CLAIMS:

1. (Original)   A semiconductor memory comprising:

a controller;

a media including first information; and

first read/write mechanism including an electron field emitter, configured to read the first information;

wherein the controller is configured to receive a first signal generated in response to the first information being read, and wherein the controller is configured to generate a second signal configured to cause a position of the media to be adjusted relative to the electron field emitter in response to the first signal.

2. (Original)   The memory of claim 1, wherein the first information comprises position information.

3. (Original)   The memory of claim 1, wherein the first information comprises timing information.

4. (Original)   The memory of claim 3 further comprising:

a mover configured to adjust the position of the media relative to the first read/write mechanism in response to the second signal.

5. (Original)   The memory of claim 4 further comprising:

a second read / write mechanism configured to read second information from the media;

wherein the mover is configured to adjust the position of the media relative to the second read / write mechanism in response to the second signal.

6. (Original)   The memory of claim 1 wherein the controller is configured to generate a third signal configured to cause a timing window to be generated in response to the first signal.

7. (Original)   The memory module of claim 6 further comprising:

a read / write mechanism configured to read second information from the media during the timing window.

8. (Original)   The memory module of claim 6 further comprising:

a read / write mechanism configured to write second information to the media during the timing window.

9. (Original)   A method of reading information from a semiconductor storage device comprising:

reading first information from a media in the semiconductor storage device;

generating a first signal in response to reading the first information; and

generating a second signal using the first signal, the second signal configured to cause second information to be read from the media during a first time period.

10. (Original) The method of claim 9 further comprising:

reading the second information from the media during the first time period.

11. (Original) The method of claim 9 further comprising:

reading the first information from a first cluster on the media; and

reading the second information from a second cluster on the media during the first time period.

12. (Original) The method of claim 9 wherein the second signal is configured to cause third information to be written to the media during a second time period.

13. (Original) The method of claim 12 further comprising:

writing the third information to the media during the second time period.

14. (Previously Presented) The method of claim 9 further comprising:

reading the first information from a first cluster on the media; and

writing a second information to a second cluster on the media during the second time period.

15. (Original) The method of claim 9 further comprising:

generating a third signal using the first signal, the third signal configured to cause a position of the media to be adjusted relative to a read / write mechanism.

16. (Original) An atomic resolution storage device comprising:

a media that includes a first cluster and a second cluster, the first cluster including first information;

first means for generating timing information in response to reading the first information; and

second means for writing second information in the second cluster using the timing information.

17. (Original) The storage device of claim 16 further comprising:

third means for reading third information from the second cluster using the timing information.

18. (Original) The storage device of claim 16 further comprising:

third means for generating position information in response to reading the first information; and

fourth means for adjusting the media relative to the second means in response to the position information.

19. (Original) The storage device of claim 18 wherein the second cluster includes a plurality of patches, wherein each of the plurality of patches includes a plurality of tracks, and wherein the second means is for writing the second information to one of the plurality of tracks.

20. (Original) The storage device of claim 19 wherein the position information indicates a position of the second means relative to the one of the plurality of tracks.

21. (Original) The storage device of claim 20 wherein the fourth means is for adjusting the media relative to the second means in response to the position information to align the second means with a center of the one of the plurality of tracks.

22. (Previously Presented) An atomic resolution storage device comprising:
a media including servo information;
a field emitter associated with the media, configured to read the servo information;
a controller configured to receive a first signal generated in response to the servo information being read, the controller being configured to generate a second signal; and
a mover configured to adjust the position of the media relative to field emitter in response to the second signal.

23. (Original) The storage device of claim 22, further comprising:
a second field emitter configured to read second servo from the media; and

wherein the controller is configured to adjust the position of the media relative to the second field emitter in response to the second signal.

24. (Currently Amended) A system for storing and retrieving information comprising:

semiconductor media for storing and retrieving data;

a read/write mechanism movable relative to said media for writing data to and reading data from said media;

means for positioning said read/write mechanism relative to said media; and

~~control-code~~ servo information stored on said media for controlling said means for positioning said read/write mechanism.

25. (Currently Amended) The invention of Claim 24 wherein said ~~control-code~~ servo information includes ~~code~~ means for controlling timing of said read/write mechanism.

26. (Canceled)

27. (Currently Amended) The invention of Claim 24 wherein said ~~control-code~~ servo information is written in tracks.

28. (Previously Presented) The invention of Claim 27 wherein said means for positioning positions said read/write mechanism between said tracks.

29. (Currently Amended) The invention of Claim 28 wherein said means for positioning positions said read/write mechanism ~~between~~ on said tracks to detect a signal of equal amplitude from each track.

30. (Currently Amended) A system for storing and retrieving information comprising:

semiconductor media for storing and retrieving data;

a read/write mechanism movable relative to said media for writing data to and reading data from said media;

means for timing said read/write mechanism; and

read/write ~~control-code~~ servo information stored on said media for controlling said means for timing said read/write mechanism.

31. (Currently Amended) The invention of Claim 30 wherein said read/write ~~control-code~~ servo information includes ~~code~~ means for controlling a position of said read/write mechanism.

32. (Canceled)

33. (Currently Amended) The invention of Claim ~~32~~ 31 wherein said read/write ~~control-code~~ servo information is written in tracks.

34. (Currently Amended) The invention of Claim 33 includes means for positioning said read/write mechanism ~~between~~ on said tracks.

35. (Previously Presented) The invention of Claim 34 wherein said means for positioning positions said read/write mechanism between said tracks to detect a signal of equal amplitude from each track.

36. (Currently Amended) A method for storing and retrieving information including the steps of:

providing semiconductor media for storing and retrieving data;

providing a read/write mechanism movable relative to said media for writing data to and reading data from said media;

storing read/write ~~control code~~ <u>servo</u> <u>information</u> on said media for controlling a position of said read/write mechanism or timing said read/write mechanism; and

using said read/write ~~control code~~ <u>servo</u> <u>information</u> to control the position and/or timing of said read/write mechanism relative to said media.